AMENDMENT TO THE CLAIMS

- (currently amended): A method for cleaning an article containing contaminants comprising:
 - (a) providing a zeotropic solvent composition comprising at least one flammable solvent having a boiling point at a first pressure, at least one first nonflammable solvent having a boiling point lower than said flammable solvent boiling point at said first pressure, and at least one second nonflammable hydrofluorocarbon or hydrofluoroether solvent having a boiling point higher than said flammable solvent boiling point at said first pressure; and
 - (b) contacting the article with said zeotropic solvent composition to remove at least a portion of the contaminants from said article.
- (previously presented): The method of claim 1 wherein said contacting comprises contacting the article with a stream comprising said zeotropic composition.
- (previously presented): The method of claim 2 wherein said contacting comprises passing said stream across the article.
- (previously presented): The method of claim 1 wherein said contacting comprises immersing the article in said zeotropic solvent composition.

- 5. (previously presented): The method of claim 1 wherein said providing comprises providing a liquid phase comprising said zeotropic solvent composition and providing a vapor phase comprising said zeotropic solvent composition, and said contacting comprises immersing the article in said liquid phase and in said vapor phase.
- (previously presented): The method of claim 1 wherein said contacting comprises spraying the article with said zeotropic solvent composition.
- 7. (previously presented): The method of claim 2 wherein said zeotropic solvent composition is in vapor phase for at least a portion of the contacting.
- 8. (previously presented): The method of claim 1 wherein at least a portion of the contacting is conducted in a vapor degreaser.
- 9. (original): The method of claim 1 wherein said flammable solvent is selected from the group consisting of isomers of HFC-365, methylal, ethylal, cis and trans dichloroethylene, isopropyl chloride, pentane and other C₁-C₂₀ hydrocarbons, C₁-C₂₀ hydrocarbon alcohols, and C₁-C₂₀ hydrocarbon ketones.

- 10. (original): The method of claim 1 wherein said flammable solvent comprises trans-1,2-dichloroethylene.
- 11. (currently amended): The method of claim 1 wherein said at least one second nonflammable solvent is selected from the group consisting of HFC-4310, HFE-7100, and HFE-7200 and said at least one first nonflammable solvent at least one said nonflammable solvents is selected from the group consisting of HFC-245fa and other isomers of HFC-245, isomers of HFC-236, isomers of HFC-356, HFC-4310, HCFC-141b, isomers of HCFC-225, isomers of HCFC-123, isomers of HCFC-124, HFE-7100, HFE-7200, trichloroethylene, perchloroethylene, n-propyl bromide, and nonflammable fluoroiodocarbons.
- 12. (original): The method of claim 10 wherein said at least one first nonflammable solvent comprises HFC-245fa.
- (original): The method of claim 10 wherein said at least one second nonflammable solvent comprises HFE-7100.
- 14. (original): The method of claim 12 wherein said at least one second nonflammable solvent comprises HFE-7100.

- 15. (currently amended): A zeotropic solvent composition comprising in a zeotropic relationship:
 - (a) at least one flammable solvent having a boiling point at a first pressure;
 - (b) at least one first nonflammable solvent having a boiling point that is lower than said flammable solvent boiling point at said first pressure; and
 - (c) at least one second nonflammable <u>hydrofluorocarbon or</u>

 <u>hydrofluoroether</u> solvent having a boiling point that is higher than said flammable solvent boiling point at said first pressure.
- 16. (original): The composition of claim 15 wherein said flammable solvent is an azeotropic combination of at least two compounds.
- 17. (original): The composition of claim 15 wherein at least one of said nonflammable solvents is an azeotropic combination of at least two compounds.
- 18. (original): The composition of claim 15 wherein said flammable solvent is selected from the group consisting of isomers of HFC-365, methylal, ethylal, cis and trans dichloroethylene, isopropyl chloride, pentane and other C₁-C₂₀ hydrocarbons, C₁-C₂₀ hydrocarbon alcohols, and C₁-C₂₀ hydrocarbon ketones.

- 19. (original): The composition of claim 15 wherein said flammable solvent comprises trans-1,2-dichloroethylene.
- 20. (currently amended): The composition of claim 15 wherein said at least one second nonflammable solvent is selected from the group consisting of HFC-4310, HFE-7100, and HFE-7200 and said at least one first nonflammable solvent at least one said nonflammable solvents is selected from the group consisting of HFC-245fa and other isomers of HFC-245, isomers of HFC-236, isomers of HFC-356, HFC-4310, HCFC-141b, isomers of HCFC-225, isomers of HCFC-123, isomers of HCFC-124, HFE-7100, HFE-7200, trichloroethylene, perchloroethylene, n-propyl bromide, and nonflammable fluoroiodocarbons.
- 21. (original): The composition of claim 15 wherein said at least one first nonflammable solvent comprises HFC-245fa.
- 22. (original): The composition of claim 15 wherein said at least one second nonflammable solvent comprises HFE-7100.
- 23. (original): The composition of claim 21 wherein said at least one second nonflammable solvent comprises HFE-7100.

- 24. (original): The composition of claim 15 wherein said first pressure is about one atmosphere.
- 25. (original): A sprayable composition comprising a composition according to claim 15.
- 26. (currently amended): A method for cleaning an article containing contaminants comprising vapor degreasing said article in the substantial absence of any flammable vapor or liquid phase, the method comprising:
 - (a) providing a zeotropic solvent composition comprising at least one flammable solvent having a boiling point at a first pressure, at least one first nonflammable solvent having a boiling point lower than said flammable solvent boiling point at said first pressure, and at least one second nonflammable <a href="https://hydrofluorocarbon.or.hydrofluoroether.com/hyd
 - (b) contacting the article with said zeotropic solvent composition to remove at least a portion of the contaminants from said article.
- 27. (original): The method of claim 26 wherein said first pressure is about one atmosphere.

- 28. (previously presented): The method of claim 26 wherein said contacting comprises immersing the article in a said zeotropic solvent composition.
- 29. (previously presented): The method of claim 26 wherein said providing comprises providing a liquid phase comprising said zeotropic solvent composition and providing a vapor phase comprising said zeotropic solvent composition, and said contacting comprises immersing the article in said liquid phase and in said vapor phase.
- 30. (previously presented): The method of claim 26 wherein said contacting comprises spraying the article with said zeotropic solvent composition.
- 31. (original): The method of claim 26 wherein said flammable solvent is selected from the group consisting of isomers of HFC-365, methylal, ethylal, cis and trans dichloroethylene, isopropyl chloride, pentane and other C₁-C₂₀ hydrocarbons, C₁-C₂₀ hydrocarbon alcohols, and C₁-C₂₀ hydrocarbon ketones.
- 32. (original): The method of claim 26 wherein said flammable solvent comprises trans-1,2-dichloroethylene.
- 33. (currently amended): The method of claim 26 wherein said at least one second nonflammable solvent is selected from the group consisting of

<u>HFC-4310, HFE-7100, and HFE-7200 and said at least one first</u>

<u>nonflammable solvent</u> at least one said nonflammable solvents is selected from the group consisting of HFC-245fa and other isomers of HFC-245, isomers of HFC-236, isomers of HFC-356, HFC-4310, HCFC-141b, isomers of HCFC-225, isomers of HCFC-123, isomers of HCFC-124, HFE-7100, HFE-7200, trichloroethylene, perchloroethylene, n-propyl bromide, and nonflammable fluoroiodocarbons.

- 34. (original): The method of claim 26 wherein said at least one first nonflammable solvent comprises HFC-245fa.
- 35. (original): The method of claim 26 wherein said at least one second nonflammable solvent comprises HFE-7100.
- 36. (original): The method of claim 34 wherein said at least one second nonflammable solvent comprises HFE-7100.